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IIT Bombay Launches Certificate in Supply Chain Analytics with AI and ML Applications

Mumbai, July 23, 2025: IIT Bombay is pleased to announce the launch of the certificate course in Supply Chain Analytics with AI and ML Applications, offered by the Department of Industrial Engineering and Operations Research (IEOR). This six-month course, launched through Great Learning as the edtech partner, is scheduled to begin in October 2025, with enrolments now open.

Designed and delivered by IIT Bombay faculty, the course equips working professionals with an industry-aligned curriculum in supply chain analytics with AI and ML applications. With five integrated modules, learners will tackle topics including introduction to data-driven supply chain analytics, demand forecasting and planning, data-driven inventory models, supply chain network design and optimisation and transportation and risk analysis. The course will also focus on hands-on learning through case studies and scenario discussions covering advanced inventory models, network designs, machine learning algorithms for demand forecasting and GenAI for scenario planning.

Prof. Usha Ananthakumar, Dean Educational Outreach, IIT Bombay said "The Certificate in Supply Chain Analytics with AI and ML Applications is a critical step forward in equipping professionals to navigate the increasingly complex and dynamic global supply landscape. The curriculum integrates cutting-edge AI and machine learning tools, thereby empowering learners to drive data-informed decisions and unlock new efficiencies across the supply chain. We believe this certificate will create a pool of capable supply chain leaders who can strengthen national and global logistics networks, ensuring resilience, innovation and sustainability in the years to come. With this offering, IIT Bombay continues its commitment to making world-class education accessible to working professionals across geographies".

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AI is transforming supply chains by enhancing efficiency, agility and resilience. Through machine learning and real-time data analysis, it enables accurate demand forecasting, optimised inventory and streamlined logistics. Intelligent automation speeds up procurement, order fulfillment and warehouse operations, while AI-driven insights improve decision-making and responsiveness. This leads to reduced costs, better customer satisfaction and more adaptive, future-ready supply chains.

The course is tailored for supply chain and operations professionals, consultants and data and business intelligence professionals in logistics, procurement, inventory, or operations. It also caters to emerging leaders seeking a strong foundation in advanced analytics, artificial intelligence and machine learning within the supply chain domain. Learners will benefit from weekly live sessions by IIT Bombay faculty and gain an end-to-end understanding of supply chain analytics, enabling them to leverage AI and data analytics in planning and execution-related decisions.

Speaking about the course, Mohan Lakhamraju, Founder and CEO of Great Learning, said, "As global commerce accelerates and supply chains become the backbone of an increasingly interconnected world, businesses need leaders who can go beyond managing operations — they need innovators who can transform them. AI is revolutionising supply chains: enabling predictive analytics, real-time optimisation and smarter, faster decisions at every stage, from sourcing to delivery. This course equips professionals with the skills to harness AI, data and technology to build resilient, future-ready supply networks that drive competitive advantage".

Candidates holding a Bachelor's degree from a recognised university with a minimum aggregate of 50% or equivalent CGPA are eligible to enroll to this course. For more information, visit https://weurl.co/GLEARN/8TS3ry

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About IIT Bombay:

The Indian Institute of Technology Bombay, set up in 1958 as the second IIT, is recognised worldwide as a leader in the field of science and engineering education and research. The Institute was granted the status of 'Institution of Eminence' by the Ministry of Education (the then Ministry of Human Resources Development) on July 9, 2018. IIT Bombay is reputed for the quality of its faculty, cutting edge research, industry relations and the outstanding calibre of students graduating from its undergraduate and postgraduate programmes. The Institute has 17 academic departments, 35 other academic entities (Centres/ Programmes/ Academic facilities/ Hubs/ Externally funded centres and Labs) and three schools. Over the last six decades, more than 75,000 engineers and scientists have graduated from the Institute. It is served by 751 faculty members and about 150 visiting and part-time faculty considered not only amongst the best within the country but also highly recognised in the world for achievements in the field of education and research. On June 19, 2025, IIT Bombay was ranked 2nd in India and 129th in the world in the Quacquarelli Symonds (QS) World University Rankings for 2026. On March 12, 2025, IIT Bombay was ranked 28th in Engineering and Technology in the Quacquarelli Symonds (QS) World University Rankings by Subject for 2025.

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